

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Attorney Docket No. 14206US01)**

In the Application of:)
)
C.D. Gollnick, et al.)
)
U.S. Serial No.: 09/318,668)
)
Filed: May 25, 1999)
)
For: LOW-POWER MESSAGING IN A)
NETWORK SUPPORTING)
ROAMING TERMINALS)
)
Examiner: Sobutka, P.)
)
Group Art Unit: 2618)
)
Conf. No.: 1752)
)
Customer No.: 23446)
)

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being transmitted via EFS-Web to the United States Patent and Trademark Office on November 11, 2009.

/Shawn L. Peterson/

Shawn L. Peterson
Reg. No. 44,286

**REQUEST FOR CERTIFICATE OF
CORRECTION PURSUANT TO 37 C.F.R. § 1.322(a)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.322(a), Applicants hereby request that a Certificate of Correction be issued for U.S. Patent No. 7,558,557 to make corrections as set forth in the attached "Certificate of Correction" Form PTO/SB/44. Issuance of the Certificate of Correction is necessary in order to correct errors made by the U.S. Patent and Trademark Office.

Specifically, the errors that need to be corrected are as follows:

(56) References Cited - U.S. PATENT DOCUMENTS,
insert --4,745,408 05/1988 Nagata et al.--

(56) References Cited - U.S. PATENT DOCUMENTS,
insert --5,142,279 08/1992 Jasinski et al.--

(56) References Cited - U.S. PATENT DOCUMENTS,
insert --5,257,019 10/1993 Schwendeman et al.--

(56) References Cited - U.S. PATENT DOCUMENTS,
insert --4,799,253 01/1989 Stern et al.--

(56) References Cited - U.S. PATENT DOCUMENTS,
insert --5,252,963 10/1993 Snowden et al.--

(56) References Cited - U.S. PATENT DOCUMENTS,
insert --5,509,035 04/1996 Teidemann, Jr. et al.--

(56) References Cited - U.S. PATENT DOCUMENTS,
insert --5,103,459 04/1992 Gilhousen et al.--

(56) References Cited - U.S. PATENT DOCUMENTS,
insert --5,392,287 02/1995 Tiedemann, Jr. et al.--

(56) References Cited - U.S. PATENT DOCUMENTS,
insert --6,069,880 05/2000 Owen et al.--

(56) References Cited - FOREIGN PATENT DOCUMENTS,
insert --EP 0490441 A2 06/1992--

(56) References Cited - OTHER PUBLICATIONS, insert --"European Digital Cellular Telecommunications System (Phase 1), Network Functions", GSM 03.01 v 3.1.1, Feb. 1992.--

(56) References Cited - OTHER PUBLICATIONS, insert --Karp, Geographic Routing for Wireless Networks", PhD Thesis, Harvard University, Oct. 2000.--

(56) References Cited - OTHER PUBLICATIONS, insert --Katz, The Use of Connectionless Network Layer Protocols Over FDDI Networks," ACM SIGCOMM Computer Communication Review, Vol 20(3), 1990, pp. 32-45.--

(56) References Cited - OTHER PUBLICATIONS, insert --Landmobile And Marine Radio Technical Handbook, 1985.--

(56) References Cited - OTHER PUBLICATIONS, insert --Mouly, The GSM System for Mobile Communications, 1992.--

(56) References Cited - OTHER PUBLICATIONS, insert --Lo, "A 1.5-V 900-MHz Monolithic CMOS Fast-Switching Frequency Synthesizer For Wireless Applications," Symposium on VLSI Circuits of Technical Papers, p. 238-241, 2000.--

(56) References Cited - OTHER PUBLICATIONS, insert --Alvarez, A Wide-Bandwidth Low-Voltage PLL for PowerPC Microprocessor, Symposium on VLSI Circuits Digest of Technical Papers, 1994.--

(56) References Cited - OTHER PUBLICATIONS, insert --Expert Report of Duane Rabe, Mar. 14, 2008.--

(56) References Cited - OTHER PUBLICATIONS, insert --Initial Expert Report of Tim A. Williams, Ph.D., Mar. 14, 2008.--

(56) References Cited - OTHER PUBLICATIONS, insert --Fisher, Dual mode mobile unit for next generation digital narrow channel cellular telephone system," 38th IEEE Vehicular Tech. Conf. pp. 543-547, 1988.--

(56) References Cited - OTHER PUBLICATIONS, insert --Decision of Appeal 2007-1164 in the United States Court of Appeals for the Federal Circuit, Broadcom Corporation v. International Trade Commission and Qualcomm Incorporated, On appeal from the United States International Trade Commission in Investigation No. 337-TA-543, Decided September 19, 2008.--

(56) References Cited - OTHER PUBLICATIONS, page 3, col. 1, lines 69-70, delete "'Autonomous Radio Stations Possible Over Mobitex", Industrial Communications, Dec. 9, 1988 No. 48." and insert --"Autonomous Radio Stations Possible Over Mobitex", Industrial Communications, Dec. 9, 1988, No. 48.--

(56) References Cited - OTHER PUBLICATIONS, page 3, col. 1, lines 71-72, delete "'Bean Bullish on Growth of Mobiel Data in New Future", Industrial Communications, Feb. 15, 1991, No. 7, p. 8." and insert --"Bean Bullish on Growth of Mobile Data in New Future", Industrial Communications, Feb. 15, 1991, No. 7, p. 8.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, lines 6-7, delete "'Ericsson Announces Communications Software'", Industrial Communications, Aug. 28, 1989." and insert --"Ericsson Announces Communications Software", Industrial Communications, Mar. 1, 1991, No. 9.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, lines 8-10, delete "'Ericsson GE and Melard Technologies Announce a Strategic Alliance in Mobile Data Communications", Business Wire, San Francisco, Sep. 16, 1991, p. 1." and insert --"Ericsson GE and Melard Technologies Announce a Strategic Alliance in Mobile Data Communications", Business Wire, San Francisco, Sep. 30, 1991, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, lines 11-13, delete "'Ericsson GE and Racotek Announce a Strategic Relationship for Mobile Data Communications", Business Wire, San Francisco, Sep. 16, 1991, p. 1." and insert --"Ericsson GE and Racotek Announce a Strategic Relationship for Mobile Data Communications", Business Wire, San Francisco, Sep. 16, 1991, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, line 24, delete "Intentionally Left Blank."

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, lines 33-35, delete "'Ericsson GE Mobile Communications to manage its Worldwide Cellular Telephone Business From RT, N.C.", Business Wire, San Francisco, Apr. 24, 1991, p. 1." and insert --"Ericsson GE Mobile Communications to manage its Worldwide Cellular Telephone Business From RTP, N.C.", Business Wire, San Francisco, Apr. 24, 1991, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, lines 36-38, delete "'Ericsson GE Mobile Data and BRM Mobile Data Sign Agreements With GE Consumer Services", Business Wire, San Francisco, Jul. 25, 1991, p. 1." and insert --"Ericsson GE Mobile Data and BRM Mobile Data Sign Agreements With GE Consumer Service", News Release, San Francisco, Jul. 25, 1991, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, line 77, delete "Intentionall Left Blank."

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 2, lines 3-4, delete "'IBM, Motorola Join Networks Forming 2-Way Data Offering", Industrial Communications, Feb. 2, 1990, No. 4, p. 1." and insert --"IBM, Motorola Join Networks Forming 2-Way Data Offering", Industrial Communications, Feb. 2, 1990, No. 5, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 2, lines 9-10, delete "'Man-machine Interface of The Mobile Station", Recommendation GSM 02.30, V. 3.5.0, Mar. 1990.'" and insert --"Man-machine Interface of The Mobile Station", Recommendation GSM 02.30, V. 3.5.0, Mar. 1990.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 2, lines 15-16, delete "'Mobile Data Communications: Erickson GE & Racotek in Strategic Relationship", Edge, Sep. 23, 1994, vol. 6, No. 165, p.6.'" and insert --"Mobile Data Communications: Erickson GE & Racotek in Strategic Relationship", Edge, Sep. 23, 1991, vol. 6, No. 165, p.6.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 2, lines 53-54, delete "'Outline of Idle Mode Tasks, GSM Recommendation" 03.22, v. 1.8.1, May 23, 1991.'" and insert --"Outline of Idle Mode Tasks, GSM Recommendation" 03.22, v. 1.0.1, May 23, 1991.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 1, lines 8-9, delete "'Ram Signs GE Consumer Service to a Polot Test on its Data network", Industrial Communications, May 10, 1991, No. 19.'" and insert --"Ram Signs GE Consumer Service to a Pilot Test on its Data network", Industrial Communications, May 10, 1991, No. 19.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 1, lines 21-22, delete "'Simwar and Ram Mobile Data Network Sign Strategic Marketing Agreement", News Release, Oct. 7, 1991, p. 1.'" and insert --"Simware and Ram Mobile Data Network Sign Strategic Marketing Agreement", News Release, Oct. 7, 1991, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 1, lines 50-51, delete "'U.K. Mobiel Data Licenses Granted", Communications Week International, Feb. 26, 1990, No. 36, p. 18.'" and insert --"U.K. Mobile Data Licenses Granted", Communications Week International, Feb. 26, 1990, No. 36, p. 18.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 1, lines 58-60, delete "'Vamdals Wreck Cardphone to Increase Booty From Payphones", Europe 2000 - Communications & Information Technology, Sep. 1991, vol. 3, No. 7.'" and insert --"Vandals Wreck Cardphone to Increase Booty From Payphones", Europe 2000 - Communications & Information Technology, Sep. 1991, vol. 3, No. 7.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 1-3, delete "'Wireless World: Ericsson GE, Anterior Technology & Research in Motion Announced Wireless Access for E-Mail Wsers'", Edge, Nov. 25, 1991, vol. 6, No. 174, p. 4." and insert --"Wireless World: Ericsson GE, Anterior Technology & Research in Motion Announced Wireless Access for E-Mail Users", Business Wire, San Francisco, Nov. 18, 1991, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 4-6, delete "'Wireless World: Ericsson GE, Anterior Technology & Research in Motion (RIM) Announce Wireless E-Mail'", Edge, Nov. 25, 1991, vol. 6, No. 174, p. 1." And insert --"Wireless World: Ericsson GE, Anterior Technology & Research in Motion (RIM) Announce Wireless E-Mail", Edge, Nov. 25, 1991, vol. 6, No. 174, p. 4.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 7-8, delete "'Year's Biggest Stories Lnad in Personal Communications, Spectrum (Part 1)'" Industrial Communications, Jan. 4, 1991, No. 1." and insert --"Year's Biggest Stories Land in Personal Communications, Spectrum (Part 1)" Industrial Communications, Jan. 4, 1991, No. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 15-17, delete "Aguirre et al., "Signal Strenght Measurement at 915 MHz and 1920 MHz in an October Microcell Environment", IEEE - ICUPC '92 Proceedings, Sep. 29, 1992-Oct. 2, 1992, pp. 16-22." and insert --Aguirre et al., "Signal Strength Measurement at 915 MHz and 1920 MHz in an October Microcell Environment", IEEE - ICUPC '92 Proceedings, Sep. 29, 1992-Oct. 2, 1992, pp. 16-22.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 29-32, delete "Ameden, "Activities of TehCellualr Telecommunications Industry Association Microcell/Microsystems, Subcommittee Regarding Microcell Technology", IEEE - ICUPC '92 Proceedings, Sep. 29, 1992-Oct. 2, 1992, pp. 147-150." And insert --Ameden, "Activities of The Cellular Telecommunications Industry Association Microcell/Microsystems, Subcommittee Regarding Microcell Technology", IEEE - ICUPC '92 Proceedings, Sep. 29, 1992-Oct. 2, 1992, pp. 147-150.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 36-39, delete "Arndt et al., "International Standards on Universal Personal TelecommunicationsL State of The Art and Future Projections", IEEE - ICUPC '92 Proceedings, Sep. 29, 1992-Oct. 2, 1992, pp. 59-63." and insert --Arndt et al., "International Standards on Universal Personal Telecommunications: State of The Art and Future Projections", IEEE - ICUPC '92 Proceedings, Sep. 29, 1992-Oct. 2, 1992, pp. 59-63.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 43-45, delete "Badrinath et al., "Designing Distributed Algorithms for Mobile Computing Networks", Proceedings of The Second Workshop on The Management of Replicated Data Rutgers University, 1994, pp. 1-13." and insert --Badrinath et al., "Designing Distributed Algorithms for Mobile Computing Networks", Proceedings of The Second Workshop on The Management of Replicated Data Rutgers University, 1994, pp. 1-13.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 49-51, delete "Balakrishnan et al., "Improving Reliable Transport And Handoff Performance In Cellular Wireless Networks," Wireless Networks, 1995, vol. 1, pp. 469-481." and insert --Balakrishnan et al., "Improving Reliable Transport And Handoff Performance In Cellular Wireless Networks," Wireless Networks, 1995, vol. 1, pp. 469-481.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 3-4, delete "Blankenhorn, PacTel Cellular Introduces Microcells I Los Angeles, Newsbytes, Inc., Oct. 2, 1991." and insert --Blankenhorn, PacTel Cellular Introduces Microcells In Los Angeles, Newsbytes, Inc., Oct. 2, 1991.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 14-15, delete "Brodsky, "Wireless Data Networks And The Mobile Workforce", Telecommunications, Dec. 1990, vol. 21, No. 23, p. 45-51." and insert --Brodsky, "Wireless Data Networks And The Mobile Workforce", Telecommunications, Dec. 1990, vol. 21, No. 23, p. 31.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 55-56, delete "Cellular Digital Packet Data System Specification Preliminary Release 0.3 Preliminary Working Draft, Dec. 28, 1992.." and insert --Cellular Digital Packet Data System Specification Release 0.3 Preliminary Working Draft, Dec. 28, 1992.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 57-58, delete "Cellular Digital Packet Data System Specification Preliminary Release 0.8 - Book 4IV, Mar. 19, 1993." And insert --Cellular Digital Packet Data System Specification Release 0.8 - Book 4IV, Mar. 19, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 59-60, delete "Cellular Digital Packet Data System Specification Preliminary Release 0.8 - Book V, Mar. 19, 1993." And insert --Cellular Digital Packet Data System Specification Release 0.8 - Book V, Mar. 19, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 61-62, delete "Cellular Digital Packet Data System Specification Release 0.9 - Preliminary Draft, N/A. Apr. 30, 1993." and insert --Cellular Digital Packet Data System Specification Release 0.9 - Preliminary Draft, N/A. Apr. 30, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 63-64, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.0 - Book II, Jul. 19, 1993." And insert --Cellular Digital Packet Data System Specification Release 1.0 - Book II, Jul. 19, 1993.

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 65-66, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.0 - Book III, Jul. 19, 1993." and insert --Cellular Digital Packet Data System Specification Release 1.0 - Book III, Jul. 19, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 67-68, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.0 - Book IV, Jul. 19, 1993." and insert --Cellular Digital Packet Data System Specification Release 1.0 - Book IV, Jul. 19, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 69-70, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.0 - Book V, Jul. 19, 1993." And insert --Cellular Digital Packet Data System Specification Release 1.0 - Book V, Jul. 19, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 71-72, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.0 - Book I, Jul. 19, 1993." and insert --Cellular Digital Packet Data System Specification Release 1.0 - Book I, Jul. 19, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 1-2, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.1 - Book 2, 1995 CDPD Forum, Inc., Jan. 19, 1995." and insert --Cellular Digital Packet Data System Specification Release 1.1 - Book 2, 1995 CDPD Forum, Inc., Jan. 19, 1995.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 3-4, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.1 - Book 3, 1995 CDPD Forum, Inc., Jan. 19, 1995." And insert --Cellular Digital Packet Data System Specification Release 1.1 - Book 3, 1995 CDPD Forum, Inc., Jan. 19, 1995.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 5-6, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.1 - Book 4, 1995 CDPD Forum, Inc., Jan. 19, 1995." and insert --Cellular Digital Packet Data System Specification Release 1.1 - Book 4, 1995 CDPD Forum, Inc., Jan. 19, 1995.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 7-8, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.1 - Book 6, 1995 CDPD Forum, Inc., Jan. 19, 1995." and insert --Cellular Digital Packet Data System Specification Release 1.1 - Book 6, 1995 CDPD Forum, Inc., Jan. 19, 1995.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 9-10, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.1 - Book 7, 1995 CDPD Forum, Inc., Jan. 19, 1995." and insert --Cellular Digital Packet Data System Specification Release 1.1 - Book 7, 1995 CDPD Forum, Inc., Jan. 19, 1995.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 11-12, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.1 - Book 8, 1995 CDPD Forum, Inc., Jan. 19, 1995." and insert --Cellular Digital Packet Data System Specification Release 1.1 - Book 8, 1995 CDPD Forum, Inc., Jan. 19, 1995.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 37-38, delete "Didner, "Data Goes Mobile", Telephony, Mar. 11, 1991, vol. 22, No. 10, pp. 24-25." and insert --Didner, "Data Goes Mobile", Telephony, Mar. 11, 1991, vol. 22, No. 10, pp. 24-25.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 39-40, delete "Didner, "The Next Step In Mobile Communications", Telecommunications, Dec. 1990, vol. 24, No. 12, p. 48-50." and insert --Didner, "The Next Step In Mobile Communications", Telecommunications, Dec. 1990, vol. 24, No. 12, p. 48-50.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 56-57, delete "Egan et al., "Ericsson and GE Form Mobile Communications Joint Venture", Business Wire, San Francisco, Aug. 14, 1989, p. 1." and insert --Egan et al., "Ericsson and GE Form Mobile Communications Joint Venture", Business Wire, San Francisco, Aug. 24, 1989, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 58-60, delete "Egan et al., "McCaw Cellular, LIN Broadcasting To Rebuild Cellular

Systems In N.Y., N.J. Pacific Northwest With Ericsson GE Equipment", Business Wire, San Francisco, Oct. 23, 1991, p. 1." and insert --Egan et al., "McCaw Cellular, LIN Broadcasting To Rebuild Cellular Systems In N.Y., N.J. Pacific Northwest With Ericsson GE Equipment", Business Wire, San Francisco, Oct. 3, 1990, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 1, lines 4-5, delete "Foyil, "Nokia - Company Report: UBS Phillips & Drew Global Research Group," Oct. 8, 1991, Investext Report No. 1034219, p. 2." and insert --Foyil, "Nokia - Company Report: UBS Phillips & Drew Global Research Group," Oct. 8, 1990, Investext Report No. 1034219, p. 2.--

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 1, line 55, delete "Intentionally Left Blank."

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 2, line 6, delete "Intentionally Left Blank."

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 2, lines 7-9, delete "Jung et al., "A Power Saving MAC Protocol For Wireless Networks", Department Of Computer Scieece, Texas A&M University, Technical Report Jul. 2001." and insert --Jung et al., "A Power Saving MAC Protocol For Wireless Networks", Department Of Computer Science, Texas A&M University, Technical Report Jul. 2002.--

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 2, lines 13-14, delete "Kaplan, "The Network In Your Pocket", Business Communications Review, Mar. 19091, vol. 21, No. 3, p. 112." And insert --Kaplan, "The Network In Your Pocket", Business Communications Review, Mar. 1991, vol. 21, No. 3, p. 112.--

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 2, lines 15-16, delete "Karp et al., "GPSR; Greedy Perimeter Stateless Routing For Wireless Networks", Proceeding Of The 6th Annual International Conference" and insert --Karp et al., "GPSR: Greedy Perimeter Stateless Routing For Wireless Networks", Proceeding Of The 6th Annual International Conference On Mobile Computing And Networking (Boston), 2000, pp. 243-254.--

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 2, lines 20-22, delete "Kearns, "Scope OF ZENworks 7 Suite Stretches Far And Wide", Network World, (<http://www.networkworld.com/newsletters/netware\2005\0829nw1.html>), Aug. 30, 2005."

and insert

--Kearns, "Scope OF ZENworks 7 Suite Stretches Far And Wide", Network World,
(<http://www.networkworld.com/newsletters/netware/2005/0829nw1.html>), Aug. 30,
2005.--

(56) References Cited - OTHER PUBLICATIONS, page 10, col. 1, lines 27-28, delete
"File History of U.S. Appl. No. 09/0060,287 ('311 file history), Bates Nos.
BCMITC000071327-71665." And insert -- File History of U.S. Appl. No. 09/060,287
('311 file history), Bates Nos. BCMITC000071327-71665.--

(56) References Cited - OTHER PUBLICATIONS, page 10, col. 2, lines 59-61, delete
EIA/TIA Interim Standards, "Cellular System Dual-Mode Station - Base Station
Compatibility Standard," Revision A, Mar. 1992, EIA/TIA/IS-54-A." and insert --
EIA/TIA Interim Standards, "Cellular System Dual-Mode Station - Base Station
Compatibility Standard," Revision A, Mar. 1991, EIA/TIA/IS-54-A.--

Column 52, line 64, delete "activate the said" and insert --activate said--

No additional fees are believed due, but in the event that any additional fees are required
for the filing of this request, the Commissioner is authorized to charge Deposit Account No.
13-0017, in the name of McAndrews, Held & Malloy, Ltd.

Dated: November 11, 2009

Respectfully submitted,

/Shawn L. Peterson/
Shawn L. Peterson
Registration No. 44,286

McANDREWS, HELD & MALLOY, LTD.
500 West Madison Street, 34th Floor
Chicago, Illinois 60661
Telephone (312) 775-8000
Facsimile (312) 775-8100

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

Page 1 of 12

PATENT NO.: 7,558,557

APPLICATION NO.: 09/318,668

ISSUE DATE: July 7, 2009

INVENTOR(S): Charles D. Gollnick; Ronald E. Luse; John G. Pavlek; Marvin L. Solka; James D. Cnossen;
Arvin D. Danielson; Ronald L. Mahany; Mary L. Detweiler; Gary N. Spiess; Guy J. West;
Amos D. Young; Robert C. Meier; Keith K. Cargin, Jr.; Richard C. Arensdorf; Robert G. Geers

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- (56) References Cited - U.S. PATENT DOCUMENTS, insert --4,745,408 05/1988 Nagata et al.--
- (56) References Cited - U.S. PATENT DOCUMENTS, insert --5,142,279 08/1992 Jasinski et al.--
- (56) References Cited - U.S. PATENT DOCUMENTS, insert --5,257,019 10/1993 Schwendeman et al.--
- (56) References Cited - U.S. PATENT DOCUMENTS, insert --4,799,253 01/1989 Stern et al.--
- (56) References Cited - U.S. PATENT DOCUMENTS, insert --5,252,963 10/1993 Snowden et al.--
- (56) References Cited - U.S. PATENT DOCUMENTS, insert --5,509,035 04/1996 Teidemann, Jr. et al.--
- (56) References Cited - U.S. PATENT DOCUMENTS, insert --5,103,459 04/1992 Gilhousen et al.--
- (56) References Cited - U.S. PATENT DOCUMENTS, insert --5,392,287 02/1995 Tiedemann, Jr. et al.--
- (56) References Cited - U.S. PATENT DOCUMENTS, insert --6,069,880 05/2000 Owen et al.--
- (56) References Cited - FOREIGN PATENT DOCUMENTS, insert --EP 0490441 A2 06/1992--
- (56) References Cited - OTHER PUBLICATIONS, insert --"European Digital Cellular Telecommunications System (Phase 1), Network Functions", GSM 03.01 v 3.1.1, Feb. 1992.--
- (56) References Cited - OTHER PUBLICATIONS, insert --Karp, Geographic Routing for Wireless Networks", PhD Thesis, Harvard University, Oct. 2000.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

McAndrews, Held & Malloy, Ltd.
500 W. Madison Street, Suite 3400
Chicago, IL 60661
Telephone: (312) 775-8000
Facsimile: (312) 775-8100

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

Page 2 of 12

PATENT NO.: 7,558,557
APPLICATION NO.: 09/318,668
ISSUE DATE: July 7, 2009
INVENTOR(S): Charles D. Gollnick; Ronald E. Luse; John G. Pavlek; Marvin L. Sojka; James D. Crosse;
Arvin D. Danielson; Ronald L. Mahany; Mary L. Detweiler; Gary N. Spiess; Guy J. West;
Amos D. Young; Robert C. Meler; Keith K. Cargin, Jr.; Richard C. Arensdorf; Robert G. Geers

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- (56) References Cited - OTHER PUBLICATIONS, insert --Katz, The Use of Connectionless Network Layer Protocols Over FDDI Networks," ACM SIGCOMM Computer Communication Review, Vol 20(3), 1990, pp. 32-45.--
- (56) References Cited - OTHER PUBLICATIONS, insert --Landmobile And Marine Radio Technical Handbook, 1985.--
- (56) References Cited - OTHER PUBLICATIONS, insert --Mouly, The GSM System for Mobile Communications, 1992.--
- (56) References Cited - OTHER PUBLICATIONS, insert --Lo, "A 1.5-V 900-MHz Monolithic CMOS Fast-Switching Frequency Synthesizer For Wireless Applications," Symposium on VLSI Circuits of Technical Papers, p. 238-241, 2000.--
- (56) References Cited - OTHER PUBLICATIONS, insert --Alvarez, A Wide-Bandwidth Low-Voltage PLL for PowerPC Microprocessor, Symposium on VLSI Circuits Digest of Technical Papers, 1994.--
- (56) References Cited - OTHER PUBLICATIONS, insert --Expert Report of Duane Rabe, Mar. 14, 2008.--
- (56) References Cited - OTHER PUBLICATIONS, insert --Initial Expert Report of Tim A. Williams, Ph.D., Mar. 14, 2008.--
- (56) References Cited - OTHER PUBLICATIONS, insert --Fisher, Dual mode mobile unit for next generation digital narrow channel cellular telephone system," 38th IEEE Vehicular Tech. Conf. pp. 543-547, 1988.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

McAndrews, Held & Malloy, Ltd.
500 W. Madison Street, Suite 3400
Chicago, IL 60661
Telephone: (312) 775-8000
Facsimile: (312) 775-8100

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

Page 3 of 12

PATENT NO.: 7,558,557
 APPLICATION NO.: 09/318,688
 ISSUE DATE: July 7, 2009
 INVENTOR(S): Charles D. Gollnick; Ronald E. Luse; John G. Pavlek; Marvin L. Sojka; James D. Crossen;
 Arvin D. Danielson; Ronald L. Mahany; Mary L. Detweiler; Gary N. Spiess; Guy J. West;
 Amos D. Young; Robert C. Meier; Keith K. Cargin, Jr.; Richard C. Arensdorf; Robert G. Geers

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(56) References Cited - OTHER PUBLICATIONS, insert --Decision of Appeal 2007-1164 in the United States Court of Appeals for the Federal Circuit, Broadcom Corporation v. International Trade Commission and Qualcomm Incorporated, On appeal from the United States International Trade Commission in Investigation No. 337-TA-543, Decided September 19, 2008.--

(56) References Cited - OTHER PUBLICATIONS, page 3, col. 1, lines 69-70, delete ""Autonomous Radio Stations Possible Over Mobitex", Industrial Communications, Dec. 9, 1988 No. 48." and insert --
 "Autonomous Radio Stations Possible Over Mobitex", Industrial Communications, Dec. 9, 1988, No. 48.--

(56) References Cited - OTHER PUBLICATIONS, page 3, col. 1, lines 71-72, delete ""Bean Bullish on Growth of Mobile Data in New Future", Industrial Communications, Feb. 15, 1991, No. 7, p. 8." and insert --
 "Bean Bullish on Growth of Mobile Data in New Future", Industrial Communications, Feb. 15, 1991, No. 7, p. 8.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, lines 6-7, delete ""Ericsson Announces Communications Software", Industrial Communications, Aug. 28, 1989." and insert --"Ericsson Announces Communications Software", Industrial Communications, Mar. 1, 1991, No. 9.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, lines 8-10, delete ""Ericsson GE and Melard Technologies Announce a Strategic Alliance in Mobile Data Communications", Business Wire, San Francisco, Sep. 16, 1991, p. 1." and insert --"Ericsson GE and Melard Technologies Announce a Strategic Alliance in Mobile Data Communications", Business Wire, San Francisco, Sep. 30, 1991, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, lines 11-13, delete ""Ericsson GE and Racotek Announce a Strategic Relationship for Mobile Data Communications", Business Wire, San Francisco, Sep. 16, 1991, p. 1." and insert --"Ericsson GE and Racotek Announce a Strategic Relationship for Mobile Data Communications", Business Wire, San Francisco, Sep. 16, 1991, p. 1.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

McAndrews, Held & Malloy, Ltd.
 500 W. Madison Street, Suite 3400
 Chicago, IL 60661
 Telephone: (312) 775-8000
 Facsimile: (312) 775-8100

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

Page 4 of 12

PATENT NO.: 7,558,557
APPLICATION NO.: 09/318,668
ISSUE DATE: July 7, 2009
INVENTOR(S): Charles D. Gollnick; Ronald E. Luse; John G. Pavek; Marvin L. Solka; James D. Cnossen;
Arvin D. Danielson; Ronald L. Mahany; Mary L. Detweiler; Gary N. Spiess; Guy J. West;
Amos D. Young; Robert C. Meier; Keith K. Cargin, Jr.; Richard C. Arensdorf; Robert G. Geers

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, line 24, delete "Intentionally Left Blank."

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, lines 33-35, delete "'Ericsson GE Mobile Communications to manage its Worldwide Cellular Telephoen Business From RT, N.C.", Business Wire, San Francisco, Apr. 24, 1991, p. 1." and insert --"Ericsson GE Mobile Communications to manage its Worldwide Cellular Telephone Business From RTP, N.C.", Business Wire, San Francisco, Apr. 24, 1991, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, lines 36-38, delete "'Ericsson GE Mobile Data and BRM Mobile Data Sign Agreements With GE Consumer Services", Business Wire, San Francisco, Jul. 25, 1991, p. 1." and insert --"Ericsson GE Mobile Data and BRM Mobile Data Sign Agreements With GE Consumer Service", News Release, San Francisco, Jul. 25, 1991, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 1, line 77, delete "Intentionall Left Blank."

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 2, lines 3-4, delete "'IBM, Motorola Join Networks Forming 2-Way Data Offering", Industrial Communciations, Feb. 2, 1990, No. 4, p. 1." and insert --"IBM, Motorola Join Networks Forming 2-Way Data Offering", Industrial Communications, Feb. 2, 1990, No. 5, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 2, lines 9-10, delete "'Man-machine Interface of The Mobile Station", Recommendation GSM 02.30, V. 3.5.0, Mar. 1990." and insert --"Man-machine Interface of The Mobile Station", Recommendation GSM 02.30, V. 3.5.0, Mar. 1990.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

McAndrews, Held & Malloy, Ltd.
500 W. Madison Street, Suite 3400
Chicago, IL 60661
Telephone: (312) 775-8000
Facsimile: (312) 775-8100

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

Page 5 of 12

PATENT NO.: 7,558,557
APPLICATION NO.: 09/318,668
ISSUE DATE: July 7, 2009
INVENTOR(S): Charles D. Gollnick; Ronald E. Luse; John G. Pavlek; Marvin L. Soljka; James D. Crossen;
Arvin D. Danielson; Ronald L. Mahany; Mary L. Detweiler; Gary N. Spiess; Guy J. West;
Amos D. Young; Robert C. Meier; Keith K. Cargin, Jr.; Richard C. Arensdorf; Robert G. Geers

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 2, lines 15-16, delete ""Mobile Data Communications: Erickson GE & Racotek in Strategic Relationship", Edge, Sep. 23, 1994, vol. 6, No. 165, p.6." and insert --"Mobile Data Communications: Erickson GE & Racotek in Strategic Relationship", Edge, Sep. 23, 1991, vol. 6, No. 165, p.6.--

(56) References Cited - OTHER PUBLICATIONS, page 4, col. 2, lines 53-54, delete ""Outline of Idle Mode Tasks, GSM Recommendation" 03.22, v. 1.8.1, May 23, 1991." and insert --"Outline of Idle Mode Tasks, GSM Recommendation" 03.22, v. 1.0.1, May 23, 1991.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 1, lines 8-9, delete ""Ram Signs GE Consumer Service to a Pilot Test on its Data network", Industrial Communications, May 10, 1991, No. 19." and insert --"Ram Signs GE Consumer Service to a Pilot Test on its Data network", Industrial Communications, May 10, 1991, No. 19.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 1, lines 21-22, delete ""Simwar and Ram Mobile Data Network Sign Strategic Marketing Agreement", News Release, Oct. 7, 1991, p. 1." and insert - "Simware and Ram Mobile Data Network Sign Strategic Marketing Agreement", News Release, Oct. 7, 1991, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 1, lines 50-51, delete ""U.K. Mobil Data Licenses Granted", Communications Week International, Feb. 26, 1990, No. 36, p. 18." and insert --"U.K. Mobile Data Licenses Granted", Communications Week International, Feb. 26, 1990, No. 36, p. 18.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 1, lines 58-60, delete ""Vandals Wreck Cardphone to Increase Booty From Payphones", Europe 2000 - Communications & Information Technology, Sep. 1991, vol. 3, No. 7." and insert --"Vandals Wreck Cardphone to Increase Booty From Payphones", Europe 2000 - Communications & Information Technology, Sep. 1991, vol. 3, No. 7.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

McAndrews, Held & Malloy, Ltd.
500 W. Madison Street, Suite 3400
Chicago, IL 60661
Telephone: (312) 775-8000
Facsimile: (312) 775-8100

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 6 of 12

PATENT NO.: 7,558,557
APPLICATION NO.: 09/318,668
ISSUE DATE: July 7, 2009
INVENTOR(S): Charles D. Gollnick; Ronald E. Luse; John G. Pavek; Marvin L. Sojka; James D. Crossen;
Arvin D. Danielson; Ronald L. Mahany; Mary L. Detweiler; Gary N. Spiess; Guy J. West
Amos D. Young; Robert C. Meier; Keith K. Cargin, Jr.; Richard C. Arensdorf; Robert G. Geers

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 1-3, delete "Wireless World: Ericsson GE, Anterior Technology & Research in Motion Announced Wireless Access for E-Mail Users", Edge, Nov. 25, 1991, vol. 6, No. 174, p. 4." and insert --"Wireless World: Ericsson GE, Anterior Technology & Research in Motion Announced Wireless Access for E-Mail Users", Business Wire, San Francisco, Nov. 18, 1991, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 4-6, delete "Wireless World: Ericsson GE, Anterior Technology & Research in Motion (RIM) Announce Wireless E-Mail", Edge, Nov. 25, 1991, vol. 6, No. 174, p. 1." And insert --"Wireless World: Ericsson GE, Anterior Technology & Research in Motion (RIM) Announce Wireless E-Mail", Edge, Nov. 25, 1991, vol. 6, No. 174, p. 4.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 7-8, delete "Year's Biggest Stories Lnad in Personal Communications, Spectrum (Part 1)" Industrial Communications, Jan. 4, 1991, No. 1." and insert --"Year's Biggest Stories Land in Personal Communications, Spectrum (Part 1)" Industrial Communications, Jan. 4, 1991, No. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 15-17, delete "Aguirre et al., "Signal Strenght Measurement at 915 MHz and 1920 MHz in an October Microcell Environment", IEEE - ICUPC '92 Proceedings, Sep. 29, 1992-Oct. 2, 1992, pp. 16-22." and insert --Aguirre et al., "Signal Strength Measurement at 915 MHz and 1920 MHz in an October Microcell Environment", IEEE - ICUPC '92 Proceedings, Sep. 29, 1992-Oct. 2, 1992, pp. 16-22.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 29-32, delete "Ameden, "Activities of TehCellular Telecommunications Industry Association Microcell/Microsystems, Subcommittee Regarding Microcell Technology", IEEE - ICUPC '92 Proceedings, Sep. 29, 1992-Oct. 2, 1992, pp. 147-150." And insert --Ameden, "Activities of The Cellular Telecommunications Industry Association Microcell/Microsystems, Subcommittee Regarding Microcell Technology", IEEE - ICUPC '92 Proceedings, Sep. 29, 1992-Oct. 2, 1992, pp. 147-150.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

McAndrews, Held & Malloy, Ltd.
500 W. Madison Street, Suite 3400
Chicago, IL 60661
Telephone: (312) 775-8000
Facsimile: (312) 775-8100

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 7 of 12

PATENT NO.: 7,558,557
APPLICATION NO.: 09/318,668
ISSUE DATE: July 7, 2009
INVENTOR(S): Charles D. Gollnick; Ronald E. Luse; John G. Pavak; Marvin L. Sojka; James D. Crossen;
Arvin D. Danielson; Ronald L. Mahany; Mary L. Detweiler; Gary N. Spiess; Guy J. West;
Amos D. Young; Robert C. Meier; Keith K. Cargin, Jr.; Richard C. Arensdorf; Robert G. Geers

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 36-39, delete "Arndt et al., "International Standards on Universal Personal Telecommunications: State of The Art and Future Projections", IEEE - ICUPC '92 Proceedings, Sep. 29, 1992-Oct. 2, 1992, pp. 59-63." and insert --Arndt et al., "International Standards on Universal Personal Telecommunications: State of The Art and Future Projections", IEEE - ICUPC '92 Proceedings, Sep. 29, 1992-Oct. 2, 1992, pp. 59-63.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 43-45, delete "Badrinath et al., "Designing Distributed Algorithms for Mobile Computing Networks", Proceedings of The Second Workshop on The Management of Replicated Data Rutgers University, 1994, pp. 1-13." and insert --Badrinath et al., "Designing Distributed Algorithms for Mobile Computing Networks", Proceedings of The Second Workshop on The Management of Replicated Data Rutgers University, 1994, pp. 1-13.--

(56) References Cited - OTHER PUBLICATIONS, page 5, col. 2, lines 49-51, delete "Balakrishnan et al., "Improving Reliable Transport And Handoff Performance In Cellular Wireless Networks", Wireless Networks, 1995, vol. 1, pp. 469-481." and insert --Balakrishnan et al., "Improving Reliable Transport And Handoff Performance In Cellular Wireless Networks", Wireless Networks, 1995, vol. 1, pp. 469-481.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 3-4, delete "Blankenhorn, PacTel Cellular Introduces Microcells I Los Angeles, Newsbytes, Inc., Oct. 2, 1991." and insert --Blankenhorn, PacTel Cellular Introduces Microcells In Los Angeles, Newsbytes, Inc., Oct. 2, 1991.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 14-15, delete "Brodsky, "Wireless Data Networks And The Mobile Workforce", Telecommunications, Dec. 1990, vol. 21, No. 23, p. 45-51." and insert -- Brodsky, "Wireless Data Networks And The Mobile Workforce", Telecommunications, Dec. 1990, vol. 21, No. 23, p. 31.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

McAndrews, Held & Malloy, Ltd.
500 W. Madison Street, Suite 3400
Chicago, IL 60661
Telephone: (312) 775-8000
Facsimile: (312) 775-8100

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 8 of 12

PATENT NO.: 7,558,557
APPLICATION NO.: 09/318,668
ISSUE DATE: July 7, 2009
INVENTOR(S): Charles D. Gollnick; Ronald E. Luse; John G. Pavek; Marvin L. Sojka; James D. Crosse;
Arvin D. Danielson; Ronald L. Mahany; Mary L. Detweiler; Gary N. Spless; Guy J. West;
Amos D. Young; Robert C. Meier; Keith K. Cargin, Jr.; Richard C. Arensdorf; Robert G. Geers

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 55-56, delete "Cellular Digital Packet Data System Specification Preliminary Release 0.3 Preliminary Working Draft, Dec. 28, 1992." and insert --Cellular Digital Packet Data System Specification Release 0.3 Preliminary Working Draft, Dec. 28, 1992.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 57-58, delete "Cellular Digital Packet Data System Specification Preliminary Release 0.8 - Book 4IV, Mar. 19, 1993." And insert --Cellular Digital Packet Data System Specification Release 0.8 - Book 4IV, Mar. 19, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 59-60, delete "Cellular Digital Packet Data System Specification Preliminary Release 0.8 - Book V, Mar. 19, 1993." And insert --Cellular Digital Packet Data System Specification Release 0.8 - Book V, Mar. 19, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 61-62, delete "Cellular Digital Packet Data System Specification Release 0.9 - Preliminary Draft, N/A. Apr. 30, 1993." and insert --Cellular Digital Packet Data System Specification Release 0.9 - Preliminary Draft, N/A. Apr. 30, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 63-64, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.0 - Book II, Jul. 19, 1993." And insert --Cellular Digital Packet Data System Specification Release 1.0 - Book II, Jul. 19, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 65-66, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.0 - Book III, Jul. 19, 1993." and insert --Cellular Digital Packet Data System Specification Release 1.0 - Book III, Jul. 19, 1993.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

McAndrews, Held & Malloy, Ltd.
500 W. Madison Street, Suite 3400
Chicago, IL 60661
Telephone: (312) 775-8000
Facsimile: (312) 775-8100

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

Page 9 of 12

PATENT NO.: 7,558,557
APPLICATION NO.: 09/318,668
ISSUE DATE: July 7, 2009
INVENTOR(S): Charles D. Gollnick; Ronald E. Luse; John G. Pavlek; Marvin L. Sojka; James D. Crossen;
Arvin D. Danielson; Ronald L. Mahany; Mary L. Detweiler; Gary N. Spiess; Guy J. West;
Amos D. Young; Robert C. Meier; Keith K. Cargin, Jr.; Richard C. Arensdorf; Robert G. Geers

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 67-68, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.0 - Book IV, Jul. 19, 1993." and insert --Cellular Digital Packet Data System Specification Release 1.0 - Book IV, Jul. 19, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 69-70, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.0 - Book V, Jul. 19, 1993." And insert --Cellular Digital Packet Data System Specification Release 1.0 - Book V, Jul. 19, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 1, lines 71-72, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.0 - Book I, Jul. 19, 1993." and insert --Cellular Digital Packet Data System Specification Release 1.0 - Book I, Jul. 19, 1993.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 1-2, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.1 - Book 2, 1995 CDPD Forum, Inc., Jan. 19, 1995." and insert --Cellular Digital Packet Data System Specification Release 1.1 - Book 2, 1995 CDPD Forum, Inc., Jan. 19, 1995.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 3-4, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.1 - Book 3, 1995 CDPD Forum, Inc., Jan. 19, 1995." and insert --Cellular Digital Packet Data System Specification Release 1.1 - Book 3, 1995 CDPD Forum, Inc., Jan. 19, 1995.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 5-6, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.1 - Book 4, 1995 CDPD Forum, Inc., Jan. 19, 1995." and insert --Cellular Digital Packet Data System Specification Release 1.1 - Book 4, 1995 CDPD Forum, Inc., Jan. 19, 1995.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

McAndrews, Held & Malloy, Ltd.
500 W. Madison Street, Suite 3400
Chicago, IL 60661
Telephone: (312) 775-8000
Facsimile: (312) 775-8100

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

Page 10 of 12

PATENT NO.: 7,558,557
APPLICATION NO.: 09/318,668
ISSUE DATE: July 7, 2009
INVENTOR(S): Charles D. Gollnick; Ronald E. Luse; John G. Pavak; Marvin L. Sojka; James D. Crossen;
Arvin D. Danielson; Ronald L. Mahany; Mary L. Detweiler; Gary N. Spiess; Guy J. West;
Amos D. Young; Robert C. Meier; Keith K. Cargin, Jr.; Richard C. Arensdorf; Robert G. Geers

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 7-8, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.1 - Book 6, 1995 CDPD Forum, Inc., Jan. 19, 1995." and insert --Cellular Digital Packet Data System Specification Release 1.1 - Book 6, 1995 CDPD Forum, Inc., Jan. 19, 1995.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 9-10, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.1 - Book 7, 1995 CDPD Forum, Inc., Jan. 19, 1995." and insert --Cellular Digital Packet Data System Specification Release 1.1 - Book 7, 1995 CDPD Forum, Inc., Jan. 19, 1995.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 11-12, delete "Cellular Digital Packet Data System Specification Preliminary Release 1.1 - Book 8, 1995 CDPD Forum, Inc., Jan. 19, 1995." and insert --Cellular Digital Packet Data System Specification Release 1.1 - Book 8, 1995 CDPD Forum, Inc., Jan. 19, 1995.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 37-38, delete "Didner, "Data Goes Mobile", Telephony, Mar. 11, 1991, vol. 22, No. 10, pp. 24-25." and insert --Didner, "Data Goes Mobile", Telephony, Mar. 11, 1991, vol. 22, No. 10, pp. 24-25.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 39-40, delete "Didner, "The Next Step In Mobile Communications", Telecommunications, Dec. 1990, vol. 24, No. 12, p. 48-50." and insert --Didner, "The Next Step In Mobile Communications", Telecommunications, Dec. 1990, vol. 24, No. 12, p. 48-50.--

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 56-57, delete "Egan et al., "Ericsson and GE Form Mobile Communications Joint Venture", Business Wire, San Francisco, Aug. 14, 1989, p. 1." and insert --Egan et al., "Ericsson and GE Form Mobile Communications Joint Venture", Business Wire, San Francisco, Aug. 24, 1989, p. 1.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

McAndrews, Held & Malloy, Ltd.
500 W. Madison Street, Suite 3400
Chicago, IL 60661
Telephone: (312) 775-8000
Facsimile: (312) 775-8100

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 11 of 12

PATENT NO.: 7,558,557
APPLICATION NO.: 09/318,668
ISSUE DATE: July 7, 2009
INVENTOR(S): Charles D. Gollnick; Ronald E. Luse; John G. Pavek; Marvin L. Sojka; James D. Crossen;
Arvin D. Danielson; Ronald L. Mahany; Mary L. Detweiler; Gary N. Spiess; Guy J. West;
Amos D. Young; Robert C. Meier; Keith K. Cargin, Jr.; Richard C. Arensdorf; Robert G. Geers

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(56) References Cited - OTHER PUBLICATIONS, page 6, col. 2, lines 58-60, delete "Egan et al., "McCaw Cellular, LIN Broadcasting To Rebuild Cellular Systems In N.Y., N.J. Pacific Northwest With Ericsson GE Equipment", Business Wire, San Francisco, Oct. 23, 1991, p. 1." and insert --Egan et al., "McCaw Cellular, LIN Broadcasting To Rebuild Cellular Systems In N.Y., N.J. Pacific Northwest With Ericsson GE Equipment", Business Wire, San Francisco, Oct. 3, 1990, p. 1.--

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 1, lines 4-5, delete "Foyil, "Nokia - Company Report: UBS Phillips & Drew Global Research Group.", Oct. 8, 1991, Investext Report No. 1034219, p. 2." and insert --Foyil, "Nokia - Company Report: UBS Phillips & Drew Global Research Group.", Oct. 8, 1990, Investext Report No. 1034219, p. 2.--

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 1, line 55, delete "Intentionally Left Blank."

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 2, line 6, delete "Intentionally Left Blank."

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 2, lines 7-9, delete "Jung et al., "A Power Saving MAC Protocol For Wireless Networks", Department Of Computer Science, Texas A&M University, Technical Report Jul. 2001." and insert --Jung et al., "A Power Saving MAC Protocol For Wireless Networks", Department Of Computer Science, Texas A&M University, Technical Report Jul. 2002.--

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 2, lines 13-14, delete "Kaplan, "The Network In Your Pocket", Business Communications Review, Mar. 19091, vol. 21, No. 3, p. 112." And insert --Kaplan, "The Network In Your Pocket", Business Communications Review, Mar. 1991, vol. 21, No. 3, p. 112.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

McAndrews, Held & Malloy, Ltd.
500 W. Madison Street, Suite 3400
Chicago, IL 60661
Telephone: (312) 775-8000
Facsimile: (312) 775-8100

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 12 of 12

PATENT NO.: 7,558,557
APPLICATION NO.: 09/318,668
ISSUE DATE: July 7, 2009
INVENTOR(S): Charles D. Gollnick; Ronald E. Luse; John G. Pavlek; Marvin L. Soljka; James D. Cnossen;
Arvin D. Danielson; Ronald L. Mahany; Mary L. Detweiler; Gary N. Spiess; Guy J. West;
Amos D. Young; Robert C. Meier; Keith K. Cargin, Jr.; Richard C. Arensdorf; Robert G. Geers

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 2, lines 15-16, delete "Karp et al., "GPSR; Greedy Perimeter Stateless Routing For Wireless Networks", Proceeding Of The 6th Annual International Conference" and insert --Karp et al., "GPSR: Greedy Perimeter Stateless Routing For Wireless Networks", Proceeding Of The 6th Annual International Conference On Mobile Computing And Networking (Boston), 2000, pp. 243-254.--

(56) References Cited - OTHER PUBLICATIONS, page 7, col. 2, lines 20-22, delete "Kearns, "Scope OF ZENworks 7 Suite Stretches Far And Wide", Network World, (<http://www.networkworld.com/newsletters/netware/2005/0829nw1.html>), Aug. 30, 2005." and insert --Keams, "Scope OF ZENworks 7 Suite Stretches Far And Wide", Network World, (<http://www.networkworld.com/newsletters/netware/2005/0829nw1.html>), Aug. 30, 2005.--

(56) References Cited - OTHER PUBLICATIONS, page 10, col. 1, lines 27-28, delete "File History of U.S. Appl. No. 09/060,287 (311 file history), Bates Nos. BCMITC000071327-71665." And insert -- File History of U.S. Appl. No. 09/060,287 (311 file history), Bates Nos. BCMITC000071327-71665.--

(56) References Cited - OTHER PUBLICATIONS, page 10, col. 2, lines 59-61, delete EIA/TIA Interim Standards, "Cellular System Dual-Mode Station - Base Station Compatibility Standard," Revision A, Mar. 1992, EIA/TIA/IS-54-A." and insert -- EIA/TIA Interim Standards, "Cellular System Dual-Mode Station - Base Station Compatibility Standard," Revision A, Mar. 1991, EIA/TIA/IS-54-A.--

Column 52, line 64, delete "activate the said" and insert --activate said--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

McAndrews, Held & Malloy, Ltd.
500 W. Madison Street, Suite 3400
Chicago, IL 60661
Telephone: (312) 775-8000
Facsimile: (312) 775-8100

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.